



zalman P50 DS ATX Mid Tower Computer Case User Manual

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* To ensure safe and easy installation, please read the following precautions.

* Product design and specifications may be revised to improve quality and performance without notice.

Contents

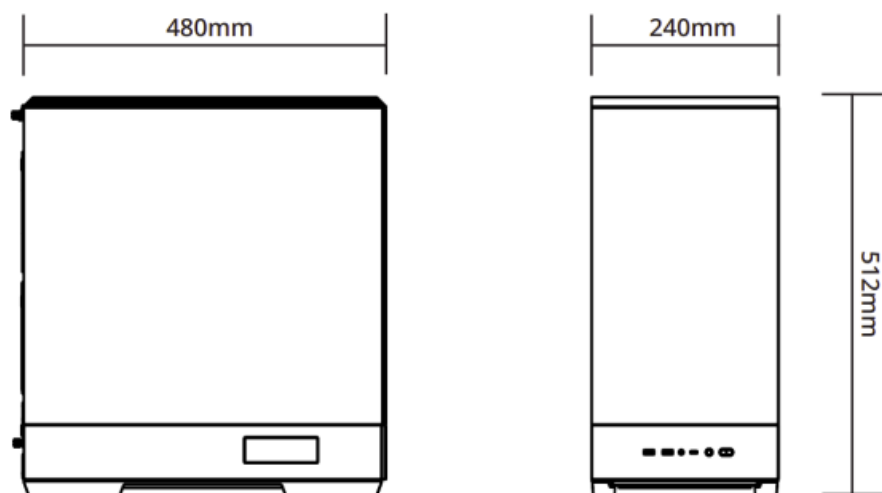
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Precautions

- Read this manual carefully before installing.
- Check the product and components before installing. If you find any abnormalities, contact the location where you purchased the product for a replacement or refund.
- Wear gloves to prevent accidents when installing the product.
- Do not apply excessive force, as severe damage may occur when mounting the system.
- Always refer to the manual when connecting cables, as incorrect installation may cause a short circuit and fire.
- Be careful not to block the ventilation holes of the product when using the system to avoid overheating.
- Avoid areas with direct sunlight, water, moisture, oil, and excessive dust. Store and use the product in a well-ventilated area.
- Do not use chemical cleaners, such as organic solvents like alcohol or acetone, to clean the product's surface.
- Do not insert your hand or other objects into the product during its operation, as this may injure your hand or damage the object
- Store and use the product out of children's reach.
- Our company assumes no responsibility for any problems that occur due to the use of the product for purposes other than its designated purposes and/or the carelessness of the customer.
- The exterior design and specifications of the product are subject to change without prior notice to consumers for quality improvement.

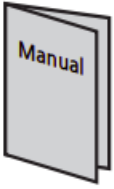
Specifications

Model		P50	P50 DS
Case Form Factor		ATX Mid-Tower	
Dimensions		480(L) x 240(W) x 512(H) mm	
Weight		10.5kg	11.2kg
Case Materials		Plastic, Steel, Tempered Glass	
Motherboard Support		ATX / mATX / Mini-ITX	
Maximum VGA Length		435mm	
Maximum CPU Cooler Height		178mm	
Maximum PSU Length		225mm	
PCI Expansion Slots		7	
Drive Bays		3 x Combo(3.5" or 2.5'), 2 x 2.5"	
Fan Support	Top	3 x 120mm / 2 x 140mm	
	Side	3 x 120mm	
	Rear	1 x 120mm / 1 x 140mm	
	Bottom	3 x 120mm	
Fan(s) Included	Top	–	–
	Side	–	3 x 120mm (ARGB Fan)
	Rear	–	1 x 120mm (ARGB Fan)
Radiator Support	Top	120mm / 140mm / 240mm / 280mm / 360mm	
	Side	120mm / 240mm / 360mm	
	Rear	120mm / 140mm	
I/O Ports		Power, Power LED, Reset, 1 x USB Type-C, HD Audio, 2 x USB 3.0, Monitoring Cable(P50 DS)	



Accessories component

- User's Manual



- Cable Ties x 5



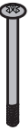
- Glass Cleaner



- Standoff Tool x 1



- Fan Screws x 12



- HDD/SSD Anti-Vibration rings x 8



- Riser cable Stand-offs x 4



- MB Screws x 18



- HDD Screws x 8



- SSD Screws x 16



- PSU / VGA Screws x 6



- Motherboard Standoffs x 4



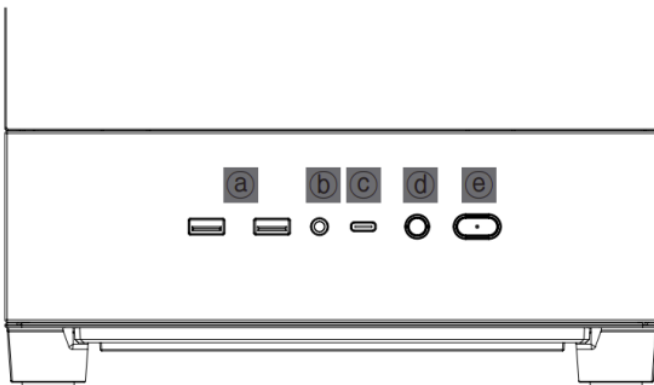
- Female clips x 6 (spare parts)



- VGA Holder (P50 DS)



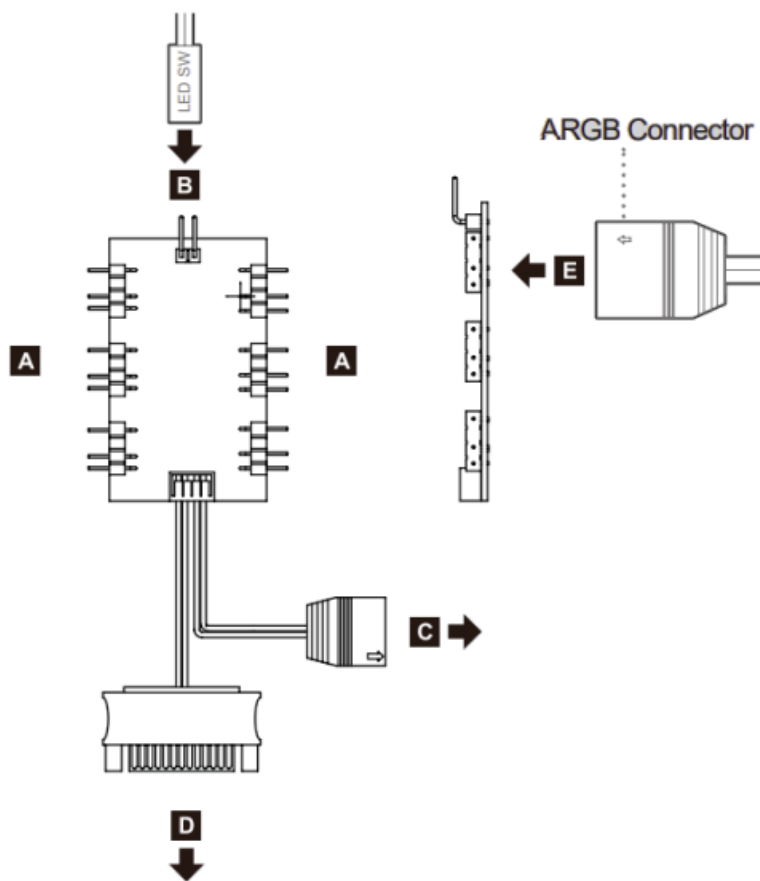
I/O Ports



#	Part
	USB 3.0
	Microphone Headphone Jack
	USB Type-C
	Reset & LED Button
	Power Button

It is possible to switch from the LED button to the Reset button by adjusting the cable connections.

ARGB controller



❖ **Caution** : Please do not connect ARGB fans more than 8pcs, otherwise it may cause malfunction.

How to control RGB LED

- LED colors & patterns can be changed by pressing the LED Button on I/O ports.
- Long pressing on the LED Button for 6 seconds, RGB LED will be turn off after blinking twice in white.
- Long pressing on the LED Button for 3 seconds, RGB will be synchronized with motherboard after blinking once in white.

Press the LED Button again to desynchronize with motherboard.

A : ARGB LED 1~4 / 3-Pin

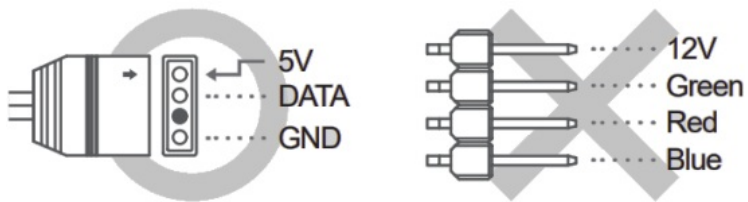


B : ARGB LED Control Button / 2-Pin

- Connector to ARGB LED Control Button

C : Other Motherboards Sync / 3-Pin

- Connector to Motherboard
- Requires Motherboard that Supports RGB Sync



❖ **Caution:** if Addressable 3 Pin connects to 12V header instead of 5V header improperly, It may cause fatal damages to the product by the overvoltage

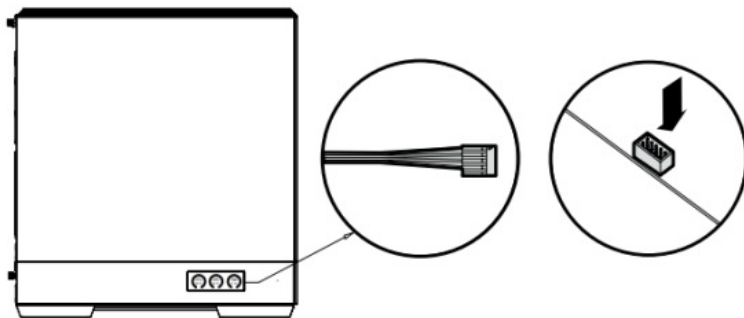
D : SATA Power / 15-Pin

- Connector to PSU
- Input : 5V



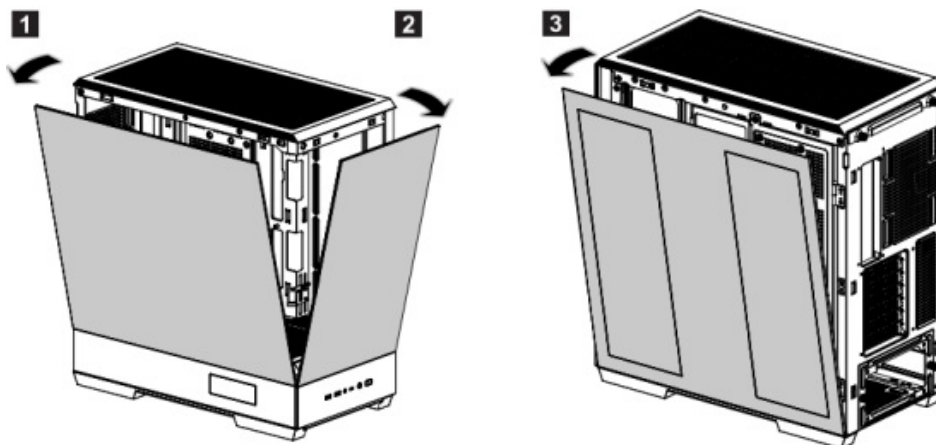
E : Connect the ARGB connector to the RGB hub

System monitoring function

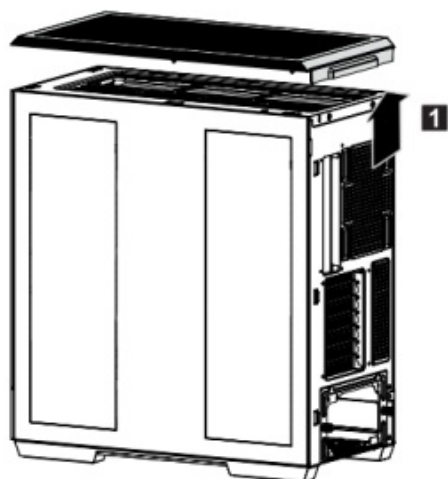


*To operate the system monitoring function, please connect the monitoring cable to the pin header of the motherboard USB 2.0 ports.

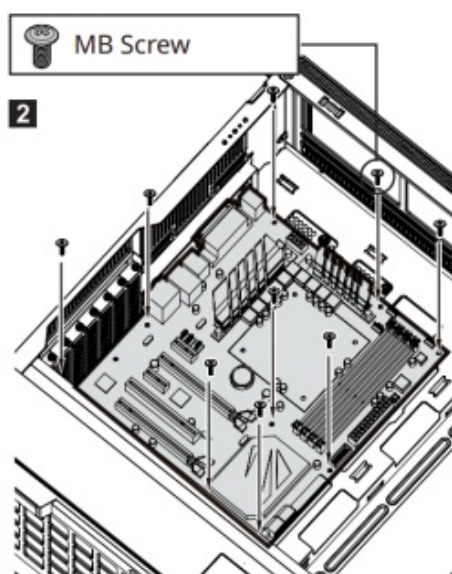
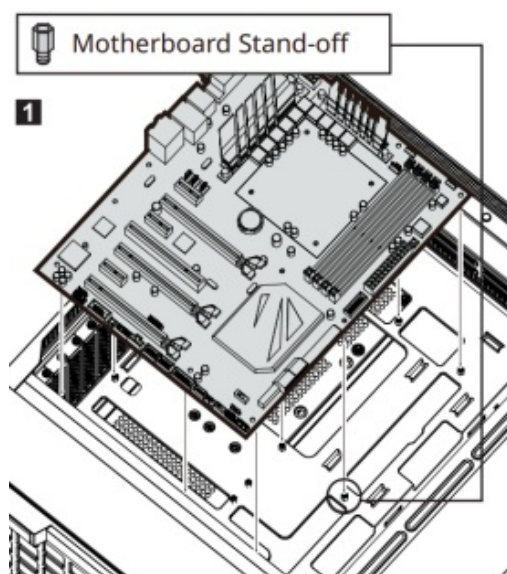
Removing the side / front panels



Removing the top cover / bottom dust filter

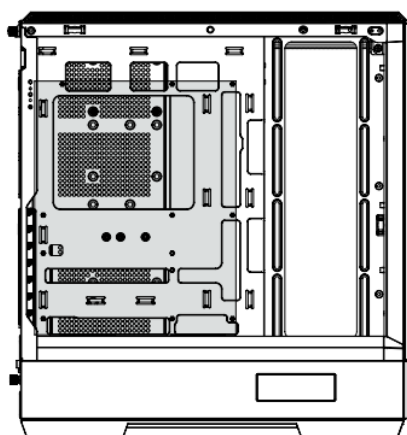


Motherboard installation

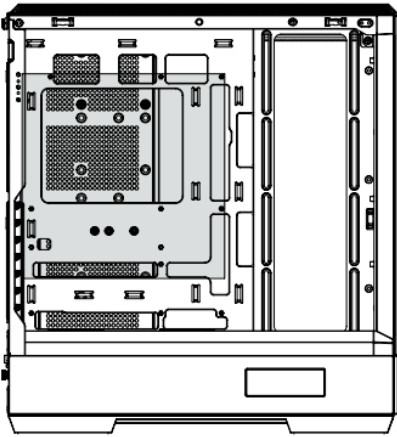


Motherboard size

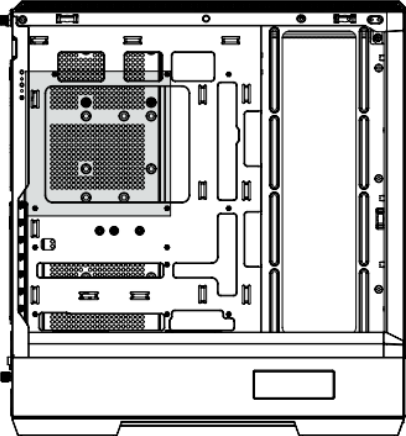
1. ATX



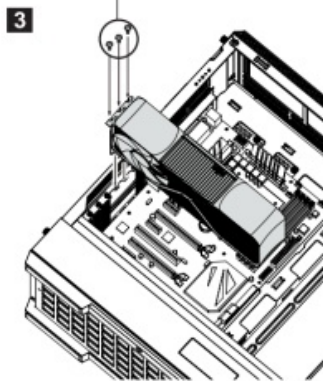
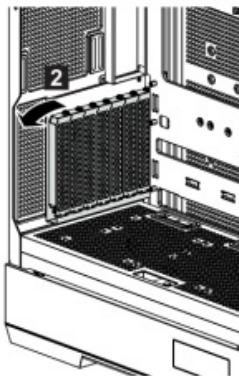
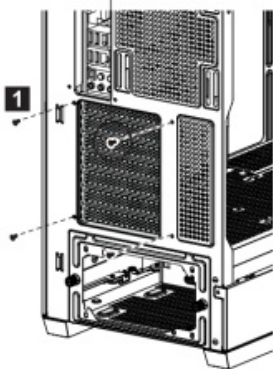
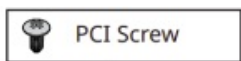
2. mATX



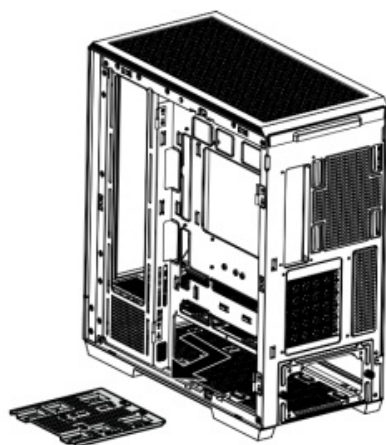
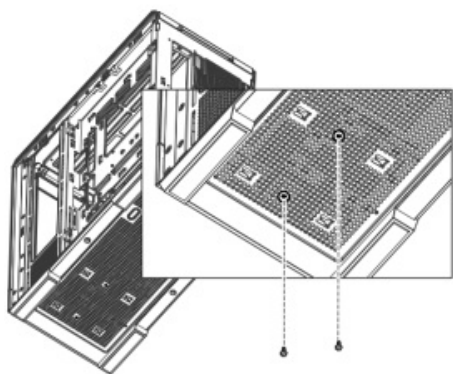
3. Mini-ITX



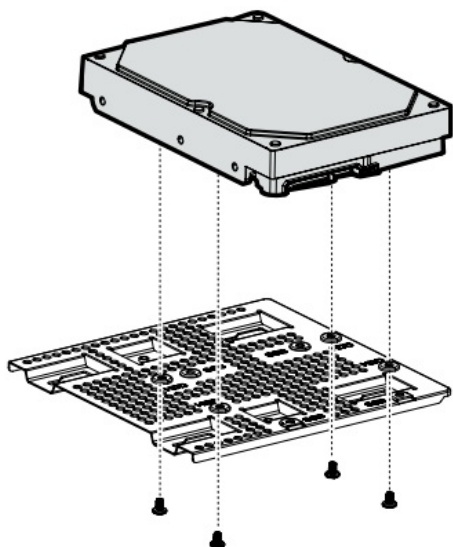
Graphic card installation



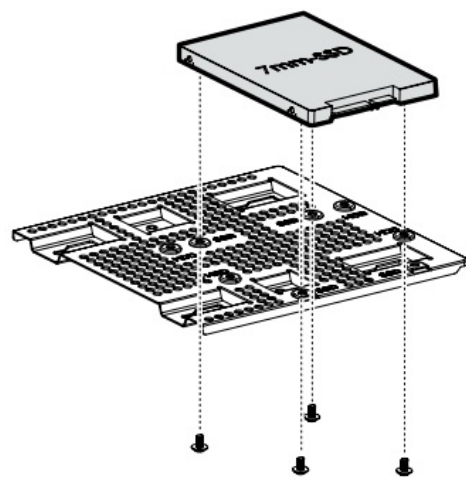
2.5" and 3.5" SSD / HDD installation



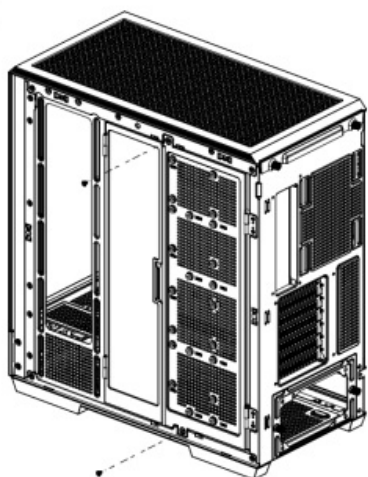
HDD



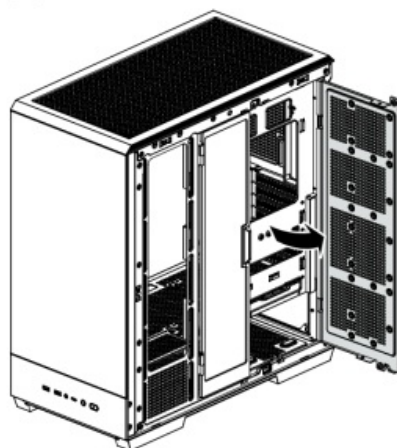
SSD

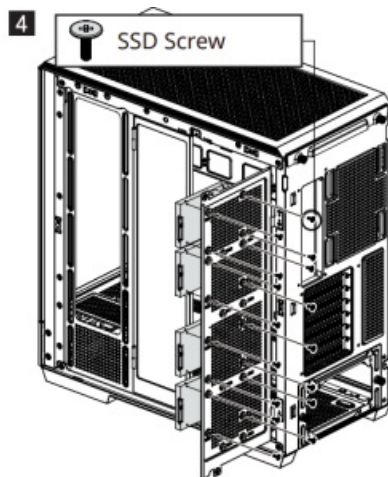
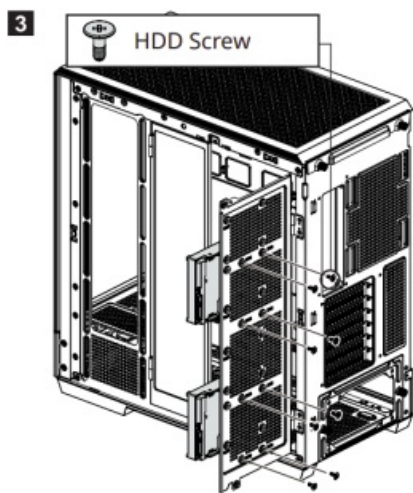


1

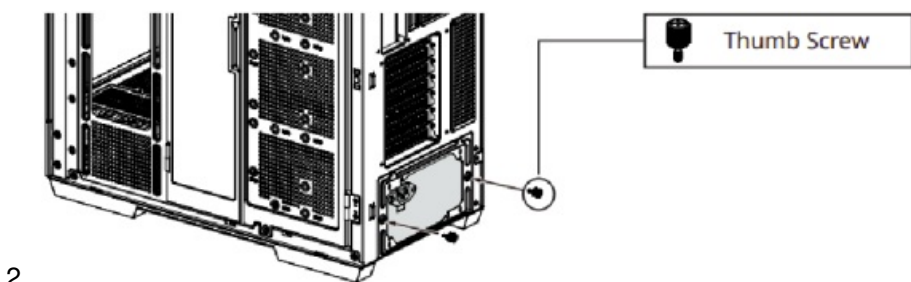
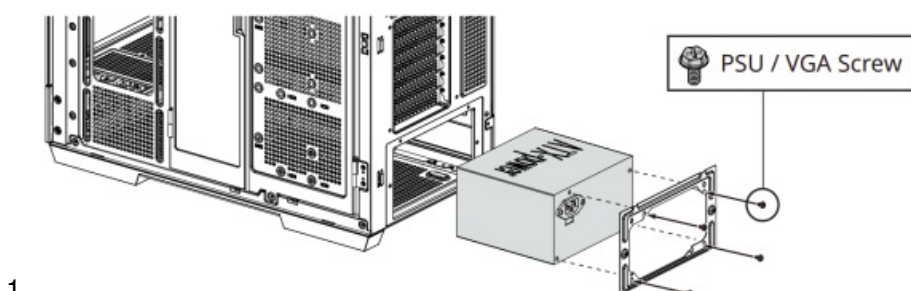


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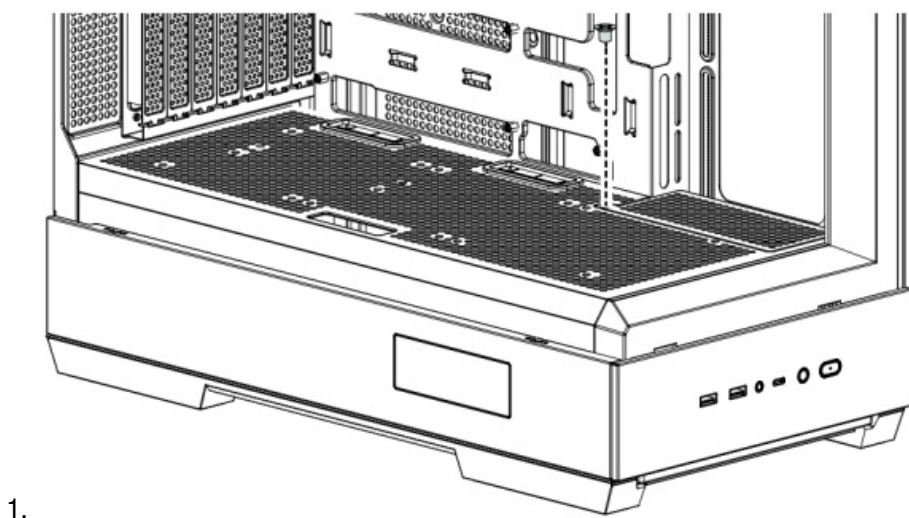


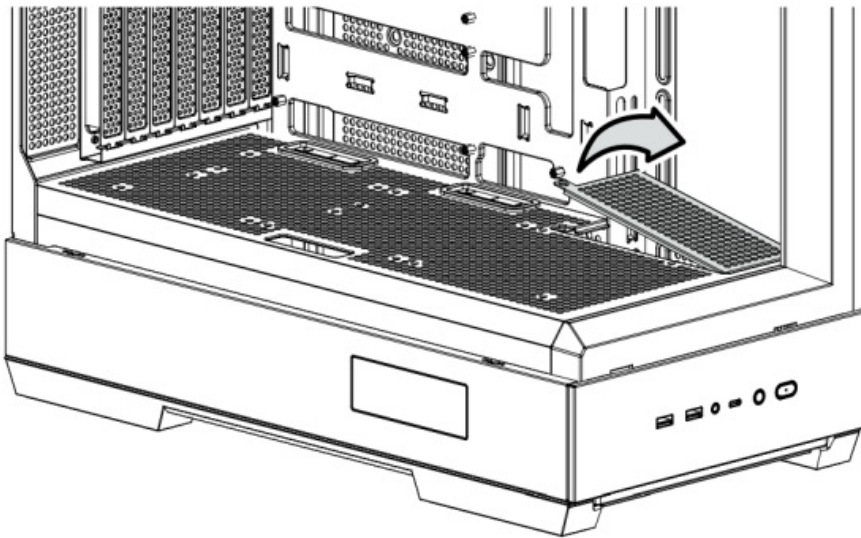


PSU installation



Removing the PSU cover

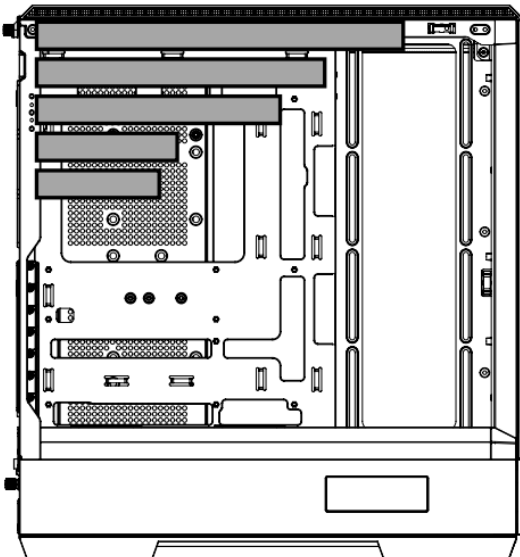




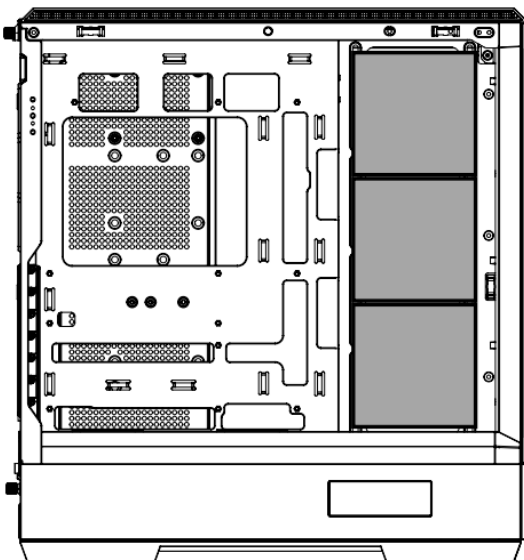
2.

Radiator installation

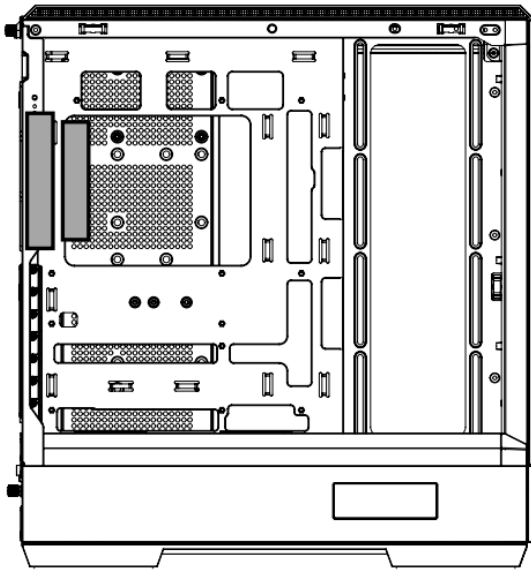
1. Installing the top radiator 120mm / 140mm / 240mm / 280mm / 360mm



2. Installing the side radiator 120mm / 240mm / 360mm

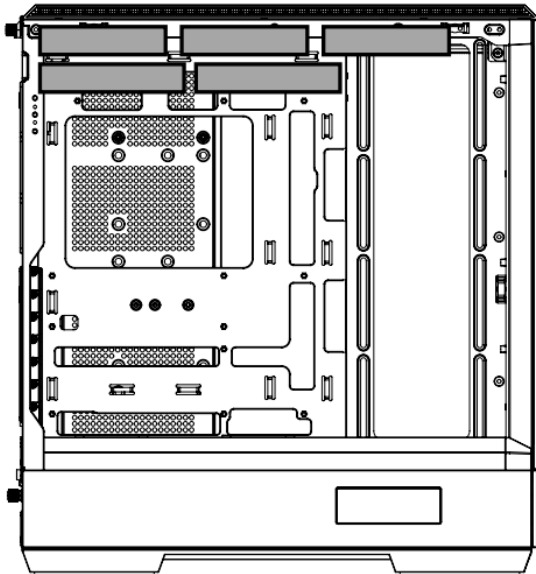


3. Installing the rear radiator 120mm / 140mm

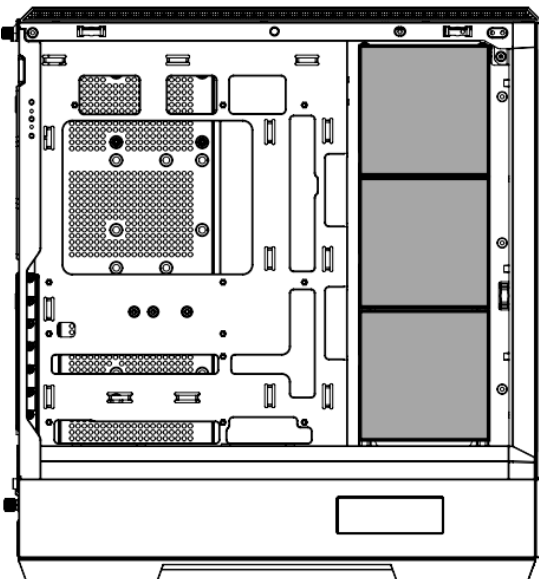


Fan installation

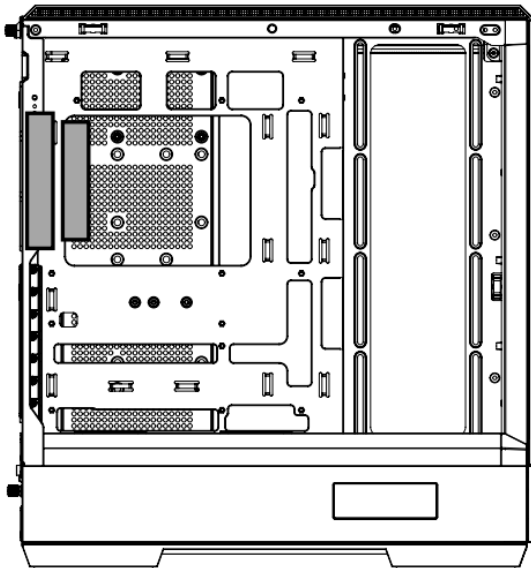
1. Installing the top fans 3 x 120mm, 2 x 140mm



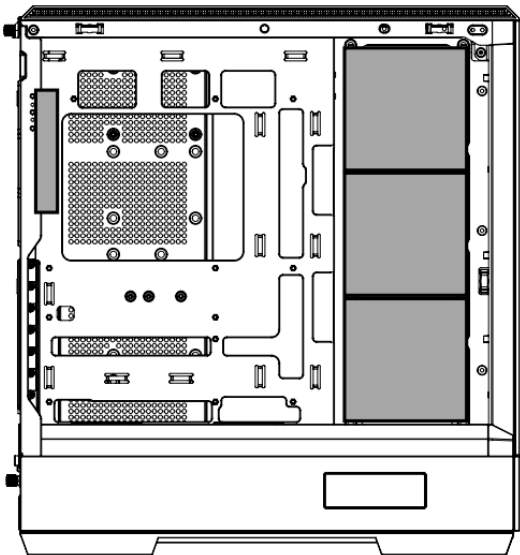
2. Installing the side fans 3 x 120mm



3. Installing the rear / bottom fans 1 x 120mm, 1 x 140mm / 3 x 120mm, 2 x 140mm



Fan(s) Included(P50 DS)



I/O Connectors

	Power LED
	Reset
	HD Audio
	USB 3.0
	USB3.1 Gen2 Type-C
	Monitoring Cable (P50 DS)

Software

Give visit ZALMAN official website (<https://www.zalman.com>) to find the corresponding product software and install it.

Supported operating system : win 10 and above



Certification



This mark, designed by Zalman, indicates product compliance with the European Union's RoHS (Restriction of Hazardous Substances) Directive.



Disposal of Old Electrical & Electronic Equipment

(Applicable in the European Union and other European countries with separate collection systems)



Developed and designed by ZALMAN in Korea.

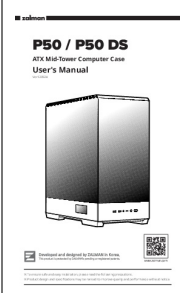
This product is protected by ZALMAN's pending or registered patents.



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Documents / Resources

	<p>zalman P50 DS ATX Mid Tower Computer Case [pdf] User Manual</p> <p>P50, P50 DS, P50 DS ATX Mid Tower Computer Case, P50 DS ATX, Mid Tower Computer Case, Tower Computer Case, Computer Case</p>
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References

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